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## Grade 7: Math

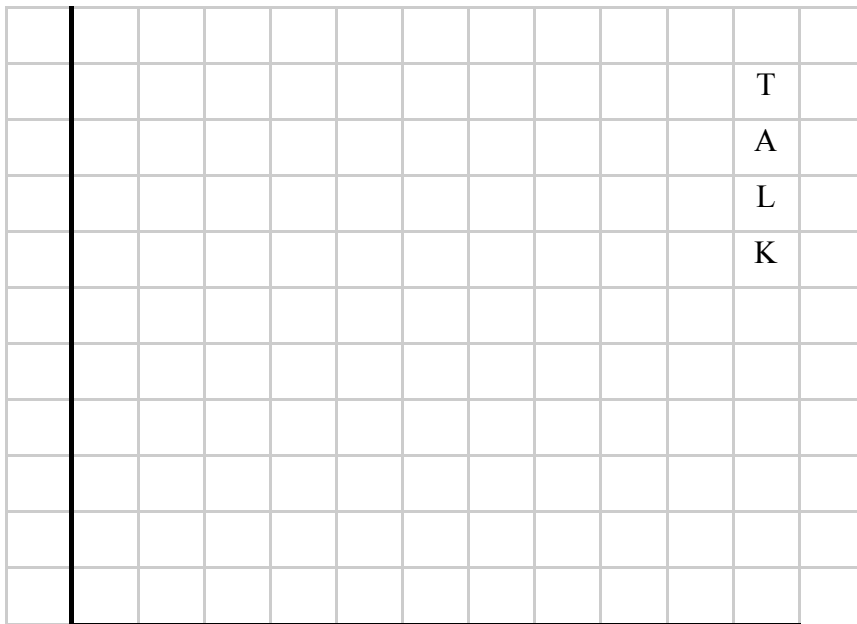
### Worksheet 5.1

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1. What is primary data?
2. What is secondary data?
3. What is the purpose of collecting data?
4. What is biased data?
5. Give an example of biased data and explain how to make it unbiased.
6. Why is it necessary for data to be unbiased?
7. What is the range of a data?
8. What is the mean of a data?
9. What is the median for a data?
10. What is the mode of a data?
11. Draw a stem and leaf plot for the data below.  
  
2, 2, 3, 3, 4, 5, 10, 25, 25, 26, 27, 28, 29, 29, 29, 29, 30
12. Draw a stem and leaf plot for the data below.  
  
101, 105, 117, 135, 162, 200.
13. Find the range of the data below.  
  
2, 12, 32, 42, 52, 62.
14. What is the first step for calculating median?
15. Which number best describes the data: Mean, Median or Mode?  
  
45, 46, 47, 48, 49, 50
16. Which number best describes the data: Mean, Median or Mode?  
  
45, 46, 47, 48, 49, 50, 50, 50, 50

17. What does the TALK rule suggest?
18. Draw a bar graph for the following data.

Age	0	10	20	30	40	60
# of Teeth	0	20	28	32	31	28



19. Give an example of 10 numbers that have a range of 20.
20. Give an example of 10 numbers that have a range of 40.
21. Give an example of 5 numbers that have an average of 16.
22. In a collection of 13 numbers. The median is \_\_\_\_\_ number term in the data.
23. In a collection of 15 numbers. The median is \_\_\_\_\_ number term in the data.
24. In a collection of 14 numbers. The median is \_\_\_\_\_ number term in the data.
25. In a collection of 28 numbers. The median is \_\_\_\_\_ number term in the data.
26. Find the mode.

10,10, 11, 11, 12,12

27. The stem and leaf plot below shows the height of students in grade 7.

**The Height of grade 7 students.**

Stem	Leaf
12	0,1,9
13	4,7
14	1,4,5,5,5,5,6
15	4, 4, 5, 7, 9

- Find the range, median and mode of the following data.
- How many students were there in this grade 7 class?

28. Draw a line graph for the following data.

Year	2010	2011	2012	2013	2014	2015
Cost (\$)	42	46	50	54	50	48



